

**Patent claims**

1. Connection module for telecommunication and data technique, entailing a base plate, onto which connecting modules for optical waveguides or electrical cores can be arranged, with the connecting modules and the base plate manifesting fitting agents corresponding to one another, wherein at least one connecting module (4) for optical waveguides (5) and at least one connecting module (3) for electrical cores have been arranged on a base plate (2).
2. Connection module according to Claim 1, wherein the connecting modules (3, 4) are detachably connected with the base plate (2).
3. Connection module according to Claim 1 or 2, wherein the base plate (2) is equipped with connecting elements to form a carrier system.
4. Connection module according to one of the aforementioned Claims, wherein the base plate (2) is made of plastic.
5. Connection module according to one of the aforementioned Claims, wherein the connecting module (3) for the electrical cores is designed as a connection block.
6. Connection module according to one of the aforementioned Claims, wherein the connecting module (3) for the electrical cores possesses contacts for the connection of the cores, the contacts being insulation displacement contacts.
7. Connection module according to one of the aforementioned Claims, wherein the connecting module (4) for the optical waveguides (5) is made of plastic.
8. Connection module according to one of the aforementioned Claims, wherein the connecting module (4) for the optical waveguides (5) has been provided with fibre guidance structures.
9. Connection module according to Claim 8, wherein the fibre guidance structures are transient bores.
10. Connection module according to Claim 8, wherein the connecting module (4) is made in two parts, V-shaped grooves have been worked into the lower part and the top part has been designed in such a way that an inserted optical waveguide is pushed into the V-shaped groove when the bottom and the top part are pushed together.
11. Connection module according to Claim 10, wherein at least one cutting device has been

arranged in the top part, by means of which an optical waveguide can be cut off vertical to the axes.

12. Connection module according to one of the aforementioned Claims, wherein a reservoir with an immersion fluid has been arranged in the connecting module (3) for the optical waveguides.
13. Connection module according to Claim 12, wherein the reservoir has been arranged in the top part.
14. Connecting module for optical waveguides, entailing a housing and fibre guidance structures, with at least two waveguides being able to be brought into contact in pairs in the housing,  
wherein  
the connecting module (4) manifests fitting agents for a base plate (2).
15. Connecting module according to Claim 14, wherein the housing is made of plastic.
16. Connecting module according to one of the Claims 14 to 15, wherein the fibre guidance structures are transient bores.
17. Connecting module according to one of the Claims 14 to 15, wherein the housing comprises at least two parts, with V-shaped grooves having been worked into a lower part and a top part being designed in such a way that an inserted optical waveguide is pushed into the V-shaped groove when the bottom and the top part are pushed together.
18. Connecting module according to Claim 17, wherein at least one cutting device has been arranged in the top part, by means of which an optical waveguide (5) can be cut off vertical to the axes.
19. Connecting module according to one of the Claims 14 to 18, wherein a reservoir with an immersion fluid has been arranged in the connecting module (4).
20. Connecting module according to Claim 19, wherein the reservoir has been arranged in the top part.
21. Connecting module according to Claim 14 or 15, wherein the connecting module (4) has been provided with means for the centring of fibre end sleeves or ferrules.
22. Connecting module according to one of the Claims 14 to 21, wherein the optical waveguide (5) is designed as an optical plastic fibre.

23. Connecting module according to one of the Claims 14 to 21, wherein the optical waveguide (5) is designed as an HCS fibre or as a glass fibre.
24. Method for the connection of two optical waveguides, in particular of optical plastic fibres, by means of a connecting module (4) according to Claim 14, entailing the following procedural steps:
  - a) removal of the outer casing of the two optical waveguides (5);
  - b) cutting off the two fibre ends which are to be connected with one another vertical to the axes and
  - c) insertion of the two fibre ends from different sides of a fibre guidance element until they are opposite one another and in contact.
25. Method according to Claim 24, wherein the joint position is filled with an immersion fluid.